

For Research Use Only

# Mouse CD297/ART4 Polyclonal antibody, PBS Only

Catalog Number:33949-1-PBS



## Basic Information

Catalog Number:

33949-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6315

GenBank Accession Number:

NM\_026639.2

GeneID (NCBI):

109978

UNIPROT ID:

Q9CRA0

Full Name:

ADP-ribosyltransferase 4

Calculated MW:

33 kDa

Observed MW:

58 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

mouse

## Background Information

CD297/ART4 is a GPI-anchored ecto-ADP-ribosyltransferase best known as the molecular carrier of Dombrock blood group antigens on erythrocytes. Expressed on red blood cells, hematopoietic progenitors, and select immune cells, it participates in cell-surface signaling and immune recognition, though its catalytic activity is limited. CD297/ART4 polymorphisms underlie clinically significant transfusion reactions, making it a key target in hematology, transfusion medicine, and erythroid biology.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

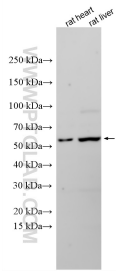
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33949-1-AP (CD297/ART4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33949-1-PBS in a different storage buffer formulation.